AMERICAN JOURNAL

OF

DISEASES OF CHILDREN

EDITORIAL BOARD

CLIFFORD G. GRULEE, Chicago

OSCAR M. SCHLOSS, New York

FRITZ B. TALBOT, Boston

H. F. HELMHOLZ, Rochester, Minn.

W. McKIM MARRIOTT, St. Louis

L. R. DeBUYS, New Orleans

JOHN C. GITTINGS, Harwood, Md.

VOLUME 41

1931

PUBLISHERS

AMERICAN MEDICAL ASSOCIATION

CHICAGO, ILL.

Medical
Wahr

CONTENTS OF VOLUME 41

JANUARY, 1931. NUMBER 1

PAGES

Value and Duration of Immunity Conferred by Antidiphtheritic Anatoxin: Titration of Antitoxin Present in the Serum of Vaccinated Children. G. Ramon and Robert Debré, M.D., with the Collaboration of M. Mozer, M.D.; G. Mozer, M.D., and G. Pichot, M.D., Paris, France 1

Diphtheria Immunization: The Percutaneous Method of Loewenstein. Arthur F. Abt, M.D., Chicago, and Benjamin F. Feingold, M.D., Glencoe, Ill. 8

Sonne Dysentery: A Report of Thirty Cases of Dysentery in Children Caused by B. Dysenteriae Sonne. Richard L. Nelson, M.D., Boston 15

A Survey of Tuberculosis in Schools in Colorado. Roy P. Forbes, M.D.; Ralph Verploeg, M.D., and M. K. Bazemore, M.D., Denver 26

An Inexpensive Incubator for Premature Infants. A. H. Parmelee, M.D., Oak Park, Ill. 33

Cell and Plasma Chloride in the Pyloric Stenosis of Infants. Montague Maizels, M.D., and Catherine B. McArthur, M.B., Westminster, London, England 35

The Use of Professor Loewenstein's Ointment for Active Immunization Against Diphtheria. A. H. Kegel, M.D., and B. M. Gasul, M.D., Chicago 45

Dietary Protein and Blood-Clotting Function. I. Newton Kugelmass, M.D., and Emma Louise Samuel, M.A., New York 48

Intraperitoneal Iron. Clifford G. Grulee, M.D., and Heyworth N. Sanford, M.D., Chicago 53

Rickets: The Comparatively High Value of Colorado Sunshine in Its Prevention. Hermann B. Stein, M.D., and Robert C. Lewis, Ph.D., Denver. 62

A Comparison of the Antirachitic Effects of Winter and Summer Sunshine in Colorado. Robert C. Lewis, Ph.D.; Gerald M. Frumess, M.D., and Hermann B. Stein, M.D., Denver 71

Pericarditis with Effusion. Lucy Porter Sutton, M.D., New York 78

Case Reports:

Mediastinal Teratoma in an Infant. Herbert B. Wilcox, M.D., and Martha Wollstein, M.D., New York 89

Subacute Bacterial Endarteritis of Pulmonary Artery Associated with Patent Ductus Arteriosus and Pulmonic Stenosis. Harry Gordon, M.D., and David Perla, M.D., New York 98

Empyema of the New-Born. Jerome Glaser, M.D., and Jacob Epstein, M.D., Rochester, N. Y. 110

Ulcerative Laryngitis Due to Corynebacterium Ulcerans. Jesse G. M. Bullowa, M.D., New York, and Mendel Jacobi, M.D., Brooklyn 120

Juvenile Embolic Gangrene of an Upper Extremity. John Dorsey Craig, M.D., and Walden E. Muns, M.D., New York 126

Progress in Pediatrics:

I. The Roentgenographic and Pathologic Aspects of Congenital Osseous Syphilis. Stafford McLean, M.D., New York 130

Wheezing Respiration in Children: Bronchoscopic Observations on Stridorous and Asthmatoid Breathing. Chevalier Jackson, M.D., Philadelphia 153

Pediatric Biographies:

William Heberden, The Younger. John Ruhräh, M.D., Baltimore 158

News and Comment 161

Abstracts from Current Literature 163

Society Transactions:

North Pacific Pediatric Society 210

Chicago Pediatric Society 214

Book Reviews 217

Directory of Pediatric Societies 221

FEBRUARY, 1931. NUMBER 2

Is Familial Jaundice of New-Born Infants Erythroblastosis? Report of Two Cases. William L. Buhrman, M.D., and Heyworth N. Sanford, M.D., Chicago 225

Ossification: I. Callus Formation and Calcification. I. Newton Kugelmass, Ph.D., M.D., New York, and Richard N. Berg, M.D., Portland, Ore. 236

Factors Involved in Combating the "Hunger Strike" in Children. William Palmer Lucas, M.D., and Helen Brenton Pryor, M.D., San Francisco 249

Congenital Intestinal Atresia. C. H. Webb, M.D., and Owen H. Wangensteen, M.D., Minneapolis 262

Streptococci Isolated from Excised Tonsils and Posttonsillectomy Blood Cultures: A Preliminary Report. Frederic H. Bartlett, M.D., and Josephine S. Pratt, A.B., New York 285

The Influence of Excessive Milk Feeding on Gastric Motility and Its Relation to Chronic Anorexia. Walter J. Siemsen, M.D., Chicago 291

Malnutrition in Children: An Attempt at Standardization of a Dietary. L. Charles Rosenberg, M.D., Newark, N.J. 303

FEBRUARY—Continued

Case Reports: PAGES
The Clinical and Roentgenologic Manifestations of Scurvy in a Seven Year Old Child. Joyce I. Hartman, M.D., and Eugene Friedman, M.D., Cleveland ... 337
Acute Polymyositis. Murray H. Bass, M.D., and Bernard S. Denzer, M.D., New York ... 344
Mongolism in One of Twins. J. I. Waring, M.D., Charleston, S. C. ... 351
Acute Phosphorus Poisoning: Report of a Case Due to Ingestion of Fireworks. Eleanor M. Humphreys, B.A., and Béla Halpert, M.D., Chicago 354
A Tip for the Gastroduodenal Tube Designed for Nasal Passage in Infants and in Children. T. G. Klumpp, M.D., Boston ... 360
Progress in Pediatrics:
II. The Correlation of the Roentgenographic and Pathologic Aspects of Congenital Osseous Syphilis, with Particular Reference to the First Months of Life. Stafford McLean, M.D., New York ... 363
Pediatric Biographies:
Samuel Bard. John Ruhräh, M.D., Baltimore ... 396
News and Comment ... 401
Abstracts from Current Literature ... 410
Society Transactions:
Philadelphia Pediatric Society, New England Pediatric Society and New York Academy of Medicine, Section of Pediatrics ... 463
Book Reviews ... 479
Directory of Pediatric Societies ... 481

MARCH, 1931. NUMBER 3

Shadows Produced by Lead in the X-Ray Pictures of the Growing Skeleton. Edwards A. Park, M.D.; Deborah Jackson, B.S., and Laslo Kajdi, M.D., Baltimore ... 485
Roentgenographic Reexamination of the Chest of Children from Six to Ten Months After Measles. Jerome L. Kohn, M.D., and Henry Koiransky, M.D., New York ... 500
The Effect of Atropine on the Bladder of the Child. Samuel Amberg, M.D., and Otto Grob, M.D., Rochester, Minn. ... 507
Tuberculosis in the Mesenteric Lymph Nodes of Children. Marion Leonard, B.A., M.S., New Haven, Conn. ... 513
The Polymorphonuclear Count in the New-Born: III. Deflection by Viosterol. Heyworth N. Sanford, M.D., and Marion Crane, M.D., Chicago ... 528
The Effect of Various Factors on Experimentally Produced Convulsions. Haddow M. Keith, M.B., Rochester, Minn. ... 532
Carbohydrate Metabolism in Mongolian Idiots as Evidence of Endocrine Dysfunction. W. D. O'Leary, M.D., St. Louis ... 544
Purpura Haemorrhagica (Thrombocytopenia). Adolph G. de Sanctis, M.D., and Abbott William Allen, M.D., New York ... 552
The Relation of Tonsils and Adenoids to Infections in Children Based on a Control Study of Forty-Four Hundred Children Over a Ten Year Period. Albert D. Kaiser, M.D., Rochester, N. Y. ... 568
Case Reports:
Acute Generalized Tuberculosis Without Typical Tubercles. William A. Reilly, M.D., and Zera E. Bolin, M.D., San Francisco ... 582
Amyotonia: Histologic Observations. C. R. Tuthill, M.D., and M. G. Levy, M.D., Buffalo ... 591
Hyperpyrexia of Unknown Etiology of Over One Year's Duration. J. B. Bilderback, M.D., Portland, Ore. ... 603
Progress in Pediatrics:
III. Correlation of the Roentgenologic Picture with the Gross and the Microscopic Examination of Pathologic Material in Congenital Osseous Syphilis. Stafford McLean, M.D., New York ... 607
Pediatric Biographies:
John Huxham. John Ruhräh, M.D., Baltimore ... 676
News and Comment ... 681
Abstracts from Current Literature ... 682
Society Transactions:
New York Academy of Medicine, Section of Pediatrics ... 727
Philadelphia Pediatric Society ... 728
Book Reviews ... 741
Directory of Pediatric Societies ... 743

APRIL, 1931. NUMBER 4

PAGES
Efficiency of Scarlet Fever Antitoxin. Taketo Tsuda, Mukden, Manchuria, China ... 747
Ultraviolet Light in California Summer Sunshine, with Special Reference to Its Value in the Prophylaxis and Treatment of Rickets. John M. Frawley, M.D., Fresno, Calif. ... 751

APRIL—Continued

PAGES

Lactic Acid in the Blood in Children. Jerome S. Leopold, M.D., and Adolph Bernhard, B.S., M.A., with the Technical Assistance of I. J. Drekter, New York ... 758
Nephritis in Children: Prognosis and Differential Diagnosis. C. A. Aldrich, M.D., Winnetka, Ill ... 765
Excessive Ultraviolet Irradiation: Effect on the Nutrition and the Endocrine Glands of Rats. Alfred F. Hess, M.D., and Philip E. Smith, Ph.D., New York ... 775
Pulmonary Tuberculosis in Children: Demonstration of Tubercle Bacilli in Gastric Lavage. Valdemar Poulsen, M.D., Copenhagen, Denmark ... 783
A Syndrome Characterized by Congenital Clouding of the Cornea and by Other Anomalies. Henry F. Helmholz, M.D., Rochester, Minn., and Ethel R. Harrington, M.D., Los Angeles ... 793
Digitalis: Its Value in the Treatment of Children with Rheumatic Heart Disease. Lucy Porter Sutton, M.D., and John Wyckoff, M.D., New York ... 801
Tubercle Bacilli in Children with Erythema Nodosum: Demonstration by Gastric Lavage. Arvid Wallgren, M.D., Göteborg, Sweden ... 816
Rapid Measurement of Red Cells. Howard R. Sauder, M.D., and John A. Toomey, M.D., Cleveland ... 823
Acute Poliomyelitis in Syracuse, New York: Clinical Analysis of Five Successive Outbreaks from 1922 to 1929, with Special Reference to Epidemiology and Treatment with Serum. A. Clement Silverman, M.D., Syracuse, N. Y. ... 829
Case Reports:
Meningitis Due to Bacillus Acidi-Lactici in a New-Born Infant. Harry D. Pasachoff, M.D., New York ... 862
Fatal Acute Lymphoblastic Leukemia with Great Enlargement of the Kidneys in an Infant Three Weeks Old. Park J. White, M.D., and Edward L. Burns, M.D., St. Louis ... 866
Persistent Cloaca and Other Anomalies in a Female Infant. L. R. DeBuys, M.D., and Harold Cummins, Ph.D., New Orleans ... 871
Congenital Idiopathic Hypertrophy of the Heart, with Unusual Family History. Howard B. Sprague, M.D.; Edward F. Bland, M.D., and Paul D. White, M.D., Boston ... 877
Progress in Pediatrics:
IV. The Correlation of the Clinical Picture with the Osseous Lesions of Congenital Syphilis as Shown by the X-Rays (To be Continued). Stafford McLean, M.D., New York ... 887
Pediatric Biographies:
Christoph Girtanner. John Ruhräh, M.D., Baltimore ... 923
News and Comment ... 928
Abstracts from Current Literature ... 929
Society Transactions:
Central States Pediatric Society ... 979
Chicago Pediatric Society ... 999
Book Reviews ... 1003
Directory of Pediatric Societies ... 1005

MAY, 1931, NUMBER 5

Scarlet Fever: Results of Experimental Research. Taro Toyoda, M.D.; Joji Moriwaki, M.D.; Yasuo Futagi, M.D., and Chuichi Kuroi, M.D., Dairen, Manchuria ... 1009
Tuberculosis in Infants and in Children: White Blood Cell Counts; Evaluation of the Monocyte-Lymphocyte Ratio by the Supravital Staining Method. Brenton M. Hamil, M.D., Detroit ... 1023
Acid-Base Equilibrium of New-Born Infants: I. Normal Standards. Lynne A. Hoag, M.D., and William H. Kiser, Jr., M.D., New York ... 1054
Cholesterol and Edema: Their Relationship in a Group of Children Presenting the Nephrotic Syndrome. Joseph K. Calvin, M.D., and A. H. Goldberg, M.D., Chicago ... 1066
Effect of Elementary Phosphorus in Rickets. Alfred F. Hess, M.D., New York ... 1081
Gastric Analysis in Childhood. Henry Dietrich, M.D., and Donald C. Shelby, M.D., Los Angeles ... 1086
Dried Powdered Milk Preparations Used in the Feeding of Infants: A Bacteriologic Study. John Giblin, M.D., and J. H. von Pourtales, Ph.D., M.D., New York ... 1100
Case Reports:
Acute Pyopneumothorax: A Case in an Infant Aged Nine Weeks. Julian L. Rogatz, M.D., and Albert Rosenberg, M.D., New York ... 1104
Functionally Two-Chambered Heart. L. Minor Blackford, M.D., and Lewis D. Hoppe, M.D., Atlanta, Ga ... 1111

MAY—Continued

PAGES
Gangrene of the Scrotum in Infants and in Children. A. Levinson, M.D., Chicago 1123
Progress in Pediatrics:
IV. The Correlation of the Clinical Picture with the Osseous Lesions of Congenital Syphilis as Shown by the X-Rays (Concluded). Stafford McLean, M.D., New York 1128
Pediatric Biographies:
Jacques Guillemeau. John Ruhräh, M.D., Baltimore 1172
News and Comment 1179
Obituary:
John A. Foote 1180
Abstracts from Current Literature 1183
Society Transactions:
International Pediatric Congress 1226
Book Reviews 1258
Directory of Pediatric Societies 1261

JUNE, 1931, NUMBER 6

Treatment of the Acute Cerebral Complication of "Nephritis." C. Anderson Aldrich, M.D., Winnetka, Ill. 1265
The Effect of Thyroid Therapy on Underdeveloped Children. Anne Topper, M.D., New York 1289
The Moro Reflex as a Diagnostic Aid in Fracture of the Clavicle in the New-Born Infant. Heyworth N. Sanford, M.D., Chicago 1304
A Frame to Be Used in the Treatment of Infants. Archibald Laird, M.D., Pittsburgh 1307
Nonrachitic Soft Chest and Flat Head: A New Syndrome. Alfred F. Hess, M.D., New York 1309
Asymmetry of the Head and Face in Infants and in Children. David Greene, M.D., New York 1317
Whooping Cough: The Blood Picture, with Special Reference to Early Observations. L. W. Sauer, M.D., and L. Hambrecht, A.B., Evanston, Ill. 1327
The Respiratory Metabolism in Infancy and in Childhood: XII. A Biometric Study of Basal Metabolism in Normal Infants. S. Z. Levine, M.D., and Eleanor Marples, B.A., New York 1332
Preparation of a Solution of Sodium Bicarbonate and Sodium Chloride for Hypodermoclysis. Robert D. M. Cunningham, M.D., and Daniel C. Darrow, M.D., New Haven, Conn. 1347
The Effect of Ultraviolet Irradiation on the Antiscorbutic Vitamin of Liquid and of Dry Milk. G. C. Supplee, Ph.D., and Odessa D. Dow, M.S., Bainbridge, N. Y. 1353
The Causes of Death and the Incidence of Disease in Children: A Review of One Thousand Consecutive Necropsies. I. M. Epstein, M.D., Chicago. 1363
Buffer Values of Foods. I. Newton Kugelmass, M.D., and Ethyl Greenwald, B.A., New York 1377
Case Reports:
Congenital Air Cyst of the Lung. Arthur H. Parmelee, M.D., and Carl W. Apfelbach, M.D., Chicago 1380
Poliomyelitis. John A. Tommey, M.D., and Harry A. Lipson, M.D., Cleveland 1389
Eosinophilic Leukemia: A Case in a Child Aged Eight Years. Murray H. Bass, M.D., New York 1394
Duodenal Obstruction Caused by Congenital Bands and Adhesions Simulating Congenital Hypertrophic Pyloric Stenosis: Review of the Literature and Report of Four Cases. Edward F. Burt, M.D., and Ralph M. Tyson, M.D., Philadelphia 1403
Progress in Pediatrics:
V. The Osseous Lesions of Congenital Syphilis: Summary and Conclusion in One Hundred and Two Cases. Stafford McLean, M.D., New York 1411
Actinomycosis in Children: A Review of the Literature and Report of Cases. A. C. Edwards, M.D., Detroit 1419
Pediatric Biographies:
Christoph Wilhelm Hufeland. John Ruhräh, M.D., Baltimore 1444
News and Comment 1449
Abstracts from Current Literature 1450
Society Transactions:
New York Academy of Medicine, Section of Pediatrics 1486
American Society for the Study of Disorders of Speech 1496
Chicago Pediatric Society 1507
Book Reviews 1513
Directory of Pediatric Societies 1515
General Index 1519